

From: Linda Devito <devito@aps.anl.gov>  
Date: Wed, 11 Dec 2002 15:38:42 -0600  
Subject: APS Radiation Monitoring Policy

Oops - excuse the first one I sent.

Thanks to everybody who forwarded the list of personnel who require dosimetry from January 1, 2003, based on the criteria established by the ALD office. Those who have not done so, please forward the names to pkj@aps.anl.gov ASAP.

Thanks for your cooperation,

PK.

Please see below:

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December 4, 2002

To: General Distribution

From: J. M. Gibson APS - Associate Laboratory Director

Subject: APS Radiation Monitoring Policy

I plan to rescind the administrative radiation controlled area designation for the Experiment Hall floor area of building 400 at the end of this calendar year. Administrative radiological controls were established by APS management in 1995 at the start of commissioning, as a precaution, until quantitative information was established to validate the effectiveness of the storage ring shielding.

That analysis has been completed. To date none of the 60,000 dosimeters issued to individuals working at the APS or its visitors have detected personal exposures beyond background in the Experiment Hall due to storage ring operations. We will continue monitoring only for those who work "full-time" on the Experiment Hall Floor.

Health Physics personnel from Jefferson Labs, Lawrence Berkley Laboratory and FERMI have reviewed the analysis of our monitoring program and our proposed action. We have also had ANL and DOE personnel review and comment on the analysis. All the reviewers concur with the proposal to rescind the administrative radiation controlled area designation and remove the requirement to badge all personnel entering the APS Experiment Hall. We will continue our area-monitoring program and badge individuals with the need to access posted radiological areas.

Your management will be providing APS HP personnel with the list of individuals who will require dosimetry as of January 1, 2003, according to the following criteria.

#### CRITERIA FOR ASSIGNING DOSIMETRY AT APS

1. All personnel working or touring in posted areas (Controlled Areas).
2. Work within the accelerator tunnel, Buildings 411, 412, 413, 420, Storage Ring Utility Corridor, and the Storage Ring Mezzanine.
3. Personnel working with Radioactive Material Samples, Sealed Sources, X-ray Generators.

4. Individuals who intend to work on the Experimental Floor for more than 4 months a year.
  5. Women who have declared themselves to be pregnant and expect to work in the Experiment Hall will be asked to wear a TLD.
  6. TLDs will also be assigned to anyone who specifically requests one for their own comfort.
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